

## AQUIFER EXEMPTION PROPOSAL REVIEW STATUS (8/8/2018)

Field	Name of Formation(s) / Unit(s) Proposed for Exemption	Injection Types	Minimum TDS of Area Proposed for Exemption (mg/L)	Maximum TDS of Area Proposed for Exemption (mg/L)	Contains Hydrocarbons	Federal Criteria (40 CFR 146.4)	Preliminary Concurrence Letter to DOGGR <sup>1</sup>	Final Concurrence Letter to DOGGR	Status
Arroyo Grande	Dollie Sands	SC, SF, WD	980	2,800	Yes	(a), (b)(1)	8/7/2015; 11/28/2017 (Revised Package)	2/8/2016; 5/22/2018 (Revised Package)	Submitted to US EPA 5/25/2018.
Round Mountain	Jewett Sand	SC, SF	2,800	2,800	Yes	(a), (b)(1)	4/28/2016	11/29/2016	Approved by US EPA 2/9/2017.
	Pyramid Hill Sand	SC, SF, WF	1,000	2,400	Yes				
	Vedder	SC, SF, WF	1,200	4,000	Yes				
	Walker	WD	1,400	2,400	Yes				
Fruitvale	Santa Margarita	WD	5,630		Eastern Portion	(a), (c)	6/15/2016	11/7/2016	Approved by US EPA 2/9/2017.
Tejon	Transition Zone	WD	2,231	3,317	Yes	(a), (b)(1)	7/22/2016	11/30/2016	Approved by US EPA 2/9/2017.
Mount Poso	Pyramid Hill Sand	SF, WF	1,730		Yes	(a), (b)(1)	10/4/2016	2/8/2017	Approved by US EPA 4/17/2017.
	Vedder	SF, WF	2,520		Yes				
San Ardo and McCool Ranch	Lombardi Sands	SF, WD	4,500		Yes	(a), (c)	12/1/2016	9/13/2017	Submitted to US EPA on 9/28/2017. EPA has provided questions about the proposal.
	Aurignac Sands	SC, WF, WD	4,842		Yes				
Lynch Canyon - Lanigan Sand	Lanigan Sand	SC, SF	3,439	4,658	Yes	(a), (b)(1)	2/3/2017	1/17/2018	DOGGR is preparing the final submittal for US EPA.
Sespe	Basal Sespe	WD	5,700	33,000	Yes	(a), (b)(1)	2/3/2017		DOGGR is preparing public comment summaries and responses.
Jasmin	Cantleberry Sands Member, Vedder Fm.	SF, SC, WD	380	410	Yes	(a), (b)(1)	2/7/2017	7/13/2017	Approved by US EPA 9/28/2017.
Kern Front	Vedder	WD	3,500	10,700	No	(a), (c)	2/23/2017	7/13/2017	Approved by US EPA 8/30/2017.
Elk Hills - Phase 1	Tulare	WD	4,500	20,000	No	(a), (c)	6/13/2017	1/31/2018	Approved by US EPA 3/29/2018.
Elk Hills - Phase 2	Tulare	WD	4,500	20,000	No	(a), (c)	6/13/2017	1/31/2018	Approved by US EPA 3/29/2018.

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Poso Creek	Basal Etchegoin and Chanac	SC, SF	260	680	Yes	(a), (b)(1)	8/17/2017	1/17/2018	Approved by US EPA 5/4/2018.
	Basal Etchegoin	SC, SF	480	1,300	Yes				
Cymric	Tulare	SF, WD	1,100	14,100	Yes	(a), (b)(1)	11/9/2017	6/6/2018	Submitted to US EPA on 7/12/2018.
McKittrick	Tulare	SF, SC, WD	1,412	34,685	Yes	(a), (b)(1)	11/9/2017	6/6/2018	Submitted to US EPA on 7/12/2018.
Kern Front	Upper Chanac	SC, SF, WD	320	350	Yes	(a), (b)(1)	1/25/2018	6/4/2018	Submitted to US EPA 06/20/2018.
Edison - Phase 1	Pyramid Hills and Vedder	WF	1,110	20,775	Yes	(a), (b)(1)	3/7/2018		DOGGR is preparing public comment summaries and responses.
	Wicker Sands, Fruitvale Fm.	WD	3,300	3,300	Yes				
	Santa Margarita	SC, SF	440	820	Yes				
Lost Hills - Phase 1	Tulare	SC, SF	3,789	11,135	Yes	(a), (b)(1)	3/19/2018		DOGGR is preparing public comment summaries and responses.
North Belridge	Tulare	SC, SF, WF, WD	8,055	22,540	Yes	(a), (b)(1)	3/19/2018		DOGGR is preparing public comment summaries and responses.
Jacalitos and Coalinga	Temblor	SF, WF	3,024	12,730	Yes	(a), (b)(1)	5/14/2018		The public comment period is open and a hearing is scheduled for 8/15/2018.
South Belridge - Western Expansion Area	Tulare	SF, WD	3,498	32,788	Yes	(a), (b)(1)	6/6/2018		DOGGR is preparing public comment and hearing notice documents.
Midway-Sunset - Deeper Formations	Potter Sands	SC, SF, WD	3,010	22,347	Yes	(a), (c)	6/19/2018		DOGGR is preparing public comment and hearing notice documents.
	Spellacy Sands	SC, SF, WD	3,117	38,491	Yes				
	Miocene Shale	SC, SF, WF, WD	3,000	26,628	Yes				
	Lower Antelope Sands	WD	4,296	24,740	Yes				
Edison - Phase 2	Chanac	SC, SF	570	2,000	Yes	(a), (b)(1)	7/3/2018		DOGGR is preparing public comment and hearing notice documents.

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Cat Canyon	Monterey	SC, SF, WF, WD	6,333	12,314	Yes	(a), (b)(1)	2018		DOGGR is preparing responses to Water Boards comments and questions regarding proposal. Date of preliminary concurrence subject to receipt of the additional information.
	Sisquoc	SC, SF, WF, WD	6,333	22,007	Yes				
Holser	Holser-Nuevo Zone, Modelo Fm.	WD	6,000	9,000	Yes	(a), (b)(1)	2018		DOGGR is preparing responses to Water Boards comments and questions regarding proposal. Date of preliminary concurrence subject to receipt of the additional information.
Kern River	Kern River	SC, WD	120	1,200	Yes	(a), (b)(1)	2018		DOGGR is preparing additional information to support proposal. Date of preliminary concurrence subject to receipt of the additional information.
Lompoc	Monterey	WD	4,700	12,100	Yes	(a), (b)(1)	2018		DOGGR is preparing responses to Water Boards comments and questions regarding proposal. Date of preliminary concurrence subject to receipt of the additional information.
Lynch Canyon - Santa Margarita	Santa Margarita	WD	2,800	3,845 (estimated)	No	(a), pending	2018		DOGGR is preparing responses to Water Boards comments and questions regarding proposal. Date of preliminary concurrence subject to receipt of the additional information.
Midway-Sunset - Tulare	Tulare	SC, SF, WD	3,588	30,337	Northern Portion, Lower Tulare	(a), (c)	2018		DOGGR is preparing additional information to support proposal. Date of preliminary concurrence subject to receipt of the additional information.
South Belridge - Eastern Expansion Area	Tulare	SF, WD	3,498	32,788	No	(a), (c)	2018		DOGGR is preparing additional information to support proposal. Date of preliminary concurrence subject to receipt of the additional information.

**ACRONYMS:**

Enhanced Oil Recovery (EOR), Cyclic Steam (SC), Steam Flood (SF), Water Flood (WF), Waste Disposal (WD), Division of Oil, Gas, and Geothermal Resources (DOGGR), To Be Determined (TBD), milligrams per liter (mg/L),

<sup>1</sup> Italics indicate estimated dates of submittal based on prior reviews and are subject to change.